



A.D. 1862, 21st *APRIL*.

N^o 1154.

S P E C I F I C A T I O N

OF

JOHN PICKARD AND THOMAS MORRIS.

—
FURNACES FOR PREVENTING OR
CONSUMING SMOKE.
—

LONDON:

PRINTED BY GEORGE F. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY:

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25, SOUTHAMPTON BUILDINGS, HOLBORN.

1862.

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A.D. 1862, 21st APRIL. N° 1154.

Furnaces for Preventing or Consuming Smoke.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by John Pickard and Thomas Morris at the Office of the Commissioners of Patents, with their Petition, on the 21st April 1862.

We, JOHN PICKARD, Engineer, and THOMAS MORRIS, Broker, both of
5 Preston, in the County of Lancaster, do hereby declare the nature of the said Invention for “IMPROVEMENTS IN FURNACES FOR THE PREVENTION OR CONSUMPTION OF SMOKE,” to be as follows :—

This Invention consists of a means of effecting the prevention or causing the consumption of smoke in furnaces by admitting common air to the front
10 part of the bridge of the furnace in quantities proportioned to the amount and quality of fuel consumed. The said air is supplied through the ash-pit or otherwise to the bridge of the furnace by means of tubes, doors, or other passages, and passing out of the front part of the said bridge by means of an opening or openings therein mingles with the gases and smoke or other pro-
15 ducts of combustion before their passing over the bridge, causing the perfect ignition or consumption of the same, and effectually prevents the escape of any unconsumed combustible matter through the flues or chimney.

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Printers to the Queen's most Excellent Majesty. 1862.

